

DigiTrak® F2™

Directional Drill Locating System



The DigiTrak® F2™ Directional Drill Locating System combines new lithium-ion battery technology with DCI's patented 3D antenna configuration to offer the longest-lasting, easiest-to-use HDD tracking device available. The F2™ system also has an intuitive picture-driven menu structure and an increased depth range.

The 3D antenna enables *target-in-the-box*® locating with a bird's-eye view that allows you to walk directly to a locate point from any direction. The patented antenna configuration also enables DCI's exclusive *Target Steering*® function, which makes up/down, left/right remote steering possible.

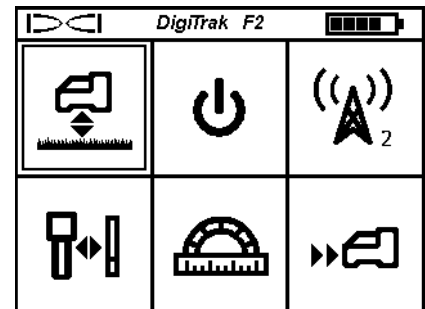
The update meter included on the F2™ display shows the relative rate at which data is being obtained from the transmitter or receiver. The receiver's update meter shows the roll/pitch update rate from the transmitter, and the remote display's update meter shows the telemetry data rate from the receiver.

The picture-driven menu system removes language as a barrier to using the system anywhere in the world. The menu

- Streamlined graphic display and intuitive picture-driven menu structure
- Rechargeable lithium-ion battery technology for the longest battery life in its class
- Four-channel telemetry enables use of multiple F2™ receivers in same area
- Update meter on display shows data transfer rate
- *Target-in-the-box*® locating with bird's-eye view
- Left/right and up/down *Target Steering*®
- Off-track guidance can be used when walkover locating is not possible

structure is easily navigated using a single trigger switch to advance through menu options.

The standard F2™ transmitter has a depth range up to 65 ft (19.8 m). A long-range transmitter is also available with a depth range up to 85 ft (26 m). The F2™ transmitters have the same dimensions as other DigiTrak® transmitters, so tooling adjustments are not necessary for current DigiTrak® users.



Receiver Menus



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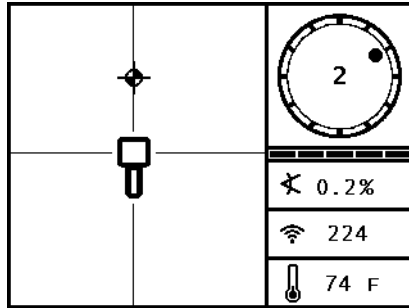
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DigiTrak® F2™ Receiver and Remote Display

The graphic display on both the F2™ receiver and the F2™ remote is divided into two easy-to-view sections.

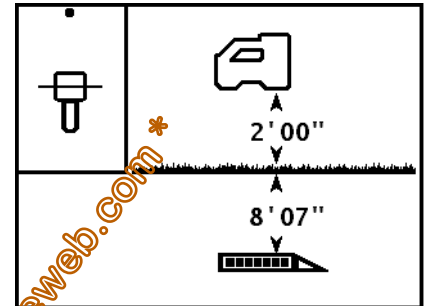
The above-ground tracking information occupies the largest portion of the display, shown in bird's-eye view. The transmitter's roll, pitch, signal strength, temperature, and update meter are provided in real time in a panel to the right of the tracking view. Note that the F2™ system displays the transmitter's roll using a 12-position clock.



Tracking Display

In the depth view, the screen's display will change to show the side view of the tool and its depth while still displaying the bird's-eye view of the tracking data in a

smaller portion of the screen. Depth readings can be taken over the transmitter for current depth or at the front locate point for predicted depth. Predicted depth allows for "on-the-fly" locating over a level drill path.



Depth Display

The F2™ remote display will work with any compatible* DigiTrak® receiver. Also, a DigiTrak® MFD® remote display can be upgraded to receive signals from a compatible* F2™ receiver.

*Compatibility is a function of local frequency licensing requirements.

F2™ Receiver Specifications

Model number.....	2R
Frequency.....	12 kHz
Power source.....	Lithium-ion battery pack
Battery life.....	10-14 hr (approx.)
Battery charger.....	10/32 V DC or 110/240 V AC
Functions.....	Menu driven
Controls.....	Trigger switch
Graphic display.....	LCD
Audio output.....	Beeper
Telemetry range.....	1800 ft (550 m)**
Telemetry channels.....	4 channels
Operating temperature.....	-4°F to 140°F -20°C to 60°C
Accuracy.....	±5% absolute
Height.....	11 in. (27.94 cm)
Width.....	5.5 in. (13.97 cm)
Length.....	15 in. (38.10 cm)
Weight (w/ battery).....	7.7 lb (3.5 kg)

F2™ Remote Display Specifications

Model number.....	FSD
Power source.....	Lithium-ion battery pack/12 V DC
Battery life.....	14-18 hr (approx.)
Battery charger.....	10/32 V DC or 110/240 V AC
Controls.....	Five-button touch pad
Graphic display.....	LCD
Audio output.....	Beeper
Telemetry range.....	1800 ft (550 m)**
Telemetry channels.....	4 channels
Operating temperature.....	-4°F to 140°F -20°C to 60°C
Footprint.....	9.5 in. x 7.6 in. (24.13 cm x 19.30 cm)
Height.....	8.5 in. (21.59 cm)
Weight (w/ battery).....	6.2 lb (2.8 kg)

**Telemetry range can be increased using optional antenna on remote display.



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